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03/06/02

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 JCE79 U.S. PTO

03/06/02

Date: March 6, 2002

Docket No.: 006126 IMPLANT/ORION/LE

## BOX PATENT APPLICATION

Assistant Commissioner for Patents  
 Washington, DC 20231

Sir:

As authorized by the inventor(s), transmitted herewith for filing is a patent application applied for on behalf of the inventor(s) according to the provisions of 37 C.F.R. § 1.41(c).

Inventor(s): FARLEY, Marvin; SAKASE, Takao; SATOH, Shu;  
 RYDING, Geoffrey; ROSE, Peter

For: INDIRECTLY HEATED BUTTON CATHODE FOR AN ION SOURCE

Enclosed are:

- ☒ A specification consisting of Fourteen (14) pages
- ☒ Two (2) sheet(s) of formal drawings
- ☒ Applicant does not claim priority
- ☐ Applicant claims the right of priority based on Application No(s). filed in on .
- ☐ Certified copy(ies) is(are) attached hereto.
- ☐ Certified copy(ies) will follow.

- ☐ Amend the specification by inserting before the first line thereof the following:
- a. ☐ --This nonprovisional application claims priority under 35 U.S.C. § 119(a) on Patent Application No. \_\_\_\_\_ filed in \_\_\_\_\_ on \_\_\_\_\_, which is herein incorporated by reference.--
- b. ☐ --This nonprovisional application claims priority under 35 U.S.C. § 119(e) on U.S. Provisional Application No. \_\_\_\_\_ filed on \_\_\_\_\_, which is herein incorporated by reference.--
- ☒ Executed Declaration in accordance with 37 C.F.R. § 1.64 will follow
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Preliminary Amendment
- ☐ Application Data Sheet in accordance with 37 C.F.R. § 1.76
- ☐ Information Disclosure Statement, PTO-1449 and reference(s)
- ☒ Other: Unexecuted Declaration
- ☐ Applicant requests early publication - \$300.00 publication fee
- ☐ Non-publication Request and Certification under 35 U.S.C. § 122(b) (2) (B) (i)

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
BASIC FEE			\$740.00	\$370.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL CLAIMS	19-20=	0	x 18 = \$0.00	x 9= \$0.00
INDEPENDENT CLAIMS	7-3=	4	x 84 = \$336.00	x42= \$0.00
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$280.00	+ \$140.00
TOTAL			\$1,356.00	\$0.00

☒ The application transmitted herewith is filed in accordance with 37 C.F.R. § 1.41(c). The undersigned has been authorized by the inventor(s) to file the present application. The original duly executed declaration together with the surcharge will be forwarded in due course.

☒ **NO FEE IS ENCLOSED**

☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.

☒ Please send correspondence to:

Robert Mulcahy, Esq.  
Patent Counsel  
Legal Affairs Dept.  
Applied Materials, Inc.  
Box 450A  
Santa Clara CA 95052

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By *D. Richard Acker* #40,439  
*for* Michael K. Mutter, #29,680

MKM/cqc  
1028-0178P

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Attachments

(Rev. 09/23/01)

IN THE U.S. PATENT AND TRADEMARK OFFICE

I N F O R M A T I O N   S H E E T

Applicant: FARLEY, Marvin; SAKASE, Takao; SATOH, Shu; RYDING, Geoffrey; ROSE, Peter

Appl. No.: New

Filed: March 6, 2002

For: INDIRECTLY HEATED BUTTON CATHODE FOR AN  
ION SOURCE

Priority Claimed Under 35 U.S.C. § 119 and/or § 120:

NONE

Send Correspondence to:

Robert Mulcahy, Esq.  
Patent Counsel  
Legal Affairs Dept.  
Applied Materials, Inc.  
Box 450A  
Santa Clara CA 95052

The above information is submitted to advise the U.S.P.T.O.  
of all relevant facts in connection with the present application.

A timely executed Declaration in accordance with 37 C.F.R.  
§ 1.64 will follow.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  #40,439  
for Michael K. Mutter, #29,680

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